



Power Double Lock

TE Internal #: 177901-1
Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 6
Position, .156 in [3.96 mm] Centerline, Wire & Cable, UL 94V-0,
Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Power Double Lock Plug



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **6**
Centerline (Pitch): **3.96 mm [.156 in]**

[All STD Temp Power Double Lock Plug \(68\)](#)

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
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Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	UL 1977
Agency/Standard	UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	200

Other

For Use With	Cap: 177909 or 179466, Contacts: 177916 or 177917, Double Lock Plate 177919-1, Header: 179841
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 177909-1
POWER DBL LOCK CAP HSG P/M 6P



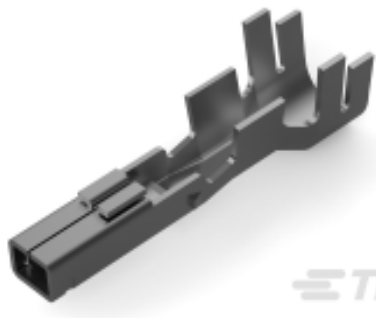
TE Part # 368576-1
PDL 6P PLUG 3.96 D/R(GWT) NAT



TE Part # 179841-1
AMP POWER D/LOCK T/HDR ASSY 6P



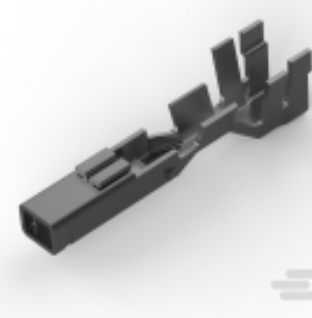
TE Part # CAT-P87024-R2435
Power Double Lock Receptacle



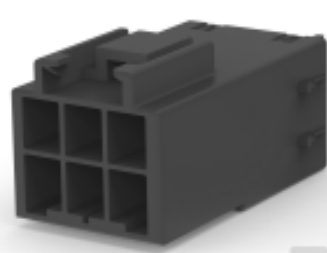
TE Part # 179593-1
AMP POWER D/LOCK RECONT. L/P



TE Part # 179466-1
AMP POWER DBL LOCK CAP HSG 6P



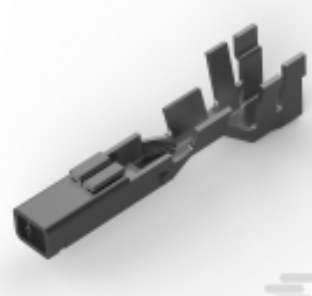
TE Part # 179592-2
POWER D/LOCK REC CONT. H/P L/P



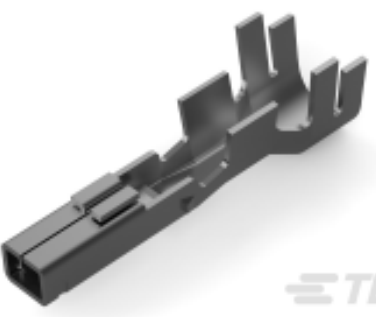
TE Part # 1-179466-5
AMP POWER DBL LOCK CAP HSG 6P
Black



TE Part # CAT-P87024-C1701A
Glow Wire Power Double Lock Cap



TE Part # 179592-1
AMP POWER D/LOCK REC CONT. L/P



TE Part # 179593-2
POWER D/LOCK REC CONT. H/P L/P



TE Part # 179853-1
AMP POWER D/LOCK TAB HDR 6P V

Also in the Series | Power Double Lock



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

Customers Also Bought



TE Part #179592-2
POWER D/LOCK REC CONT. H/P L/P



TE Part #177902-6
AMP POWER DBL LOCK PLUG HSG 8P



TE Part #4-1393210-3
T9AV1D12-12U



TE Part #456424-8
CRIMPER, WIRE .130 "F"



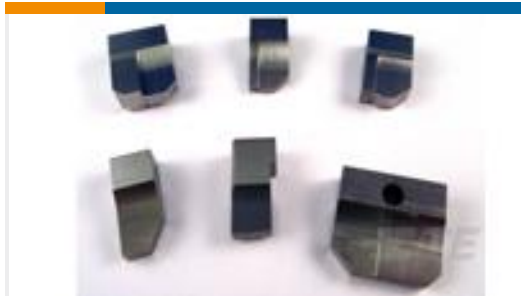
TE Part #456411-1
CRIMPER, WIRE .140 F



TE Part #1-454276-1
FLOATING SHEAR



TE Part #3-456405-0
CRIMPER, WIRE .080F



TE Part #240655-8
ANVIL



TE Part #690482-8
FRONT SHEAR PLATE



TE Part #456424-5
CRIMPER, WIRE .130 "F"

Documents

Product Drawings

POWER DBL LOCK PLUG HSG 6P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177901-1_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_177901-1_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177901-1_S.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Product Specification

English

Product Environmental Compliance

MD_177901-1_06062018812_dmtec



English

[MD_177901-1_06062018812_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

[UL Report](#)

English